

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Elich et al.
Application Serial No.: 10/633,835
Filed: August 4, 2003
For: **RECOMBINANT BIOTIN CARBOXYLASE DOMAINS FOR IDENTIFICATION
OF ACETYL COA CARBOXYLASE INHIBITORS**

Confirmation No. 5061
U.S. Patent No.: 7,432,350
Issued: October 7, 2008

Date: January 13, 2009

Commissioner for Patents
Attn: Certificate of Correction Branch
P.O. Box 1450
Alexandria, VA 22313-1450

**REQUEST FOR ENTRY OF CERTIFICATE OF CORRECTION UNDER
35 U.S.C §254 AND 37 C.F.R. §1.322**

Sir:

The Assignee of record for the above-referenced patent hereby requests, pursuant to 35 U.S.C §254 and 37 C.F.R. §1.322, that a Certificate of Correction be issued. This request is made in order to correct the mistakes incurred through the fault of the U.S. Patent and Trademark Office. The mistakes appearing in the patent are set forth with corrections on the Certificate of Correction enclosed herewith.

No fee is believed due. However, the Commissioner is authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,

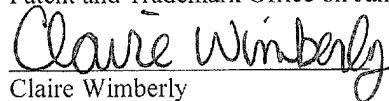


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CERTIFICATION OF ELECTRONIC TRANSMISSION

I hereby certify that this correspondence is being transmitted via the Office electronic filing system in accordance with § 1.6(a)(4) to the U.S. Patent and Trademark Office on January 13, 2009.


Claire Wimberly

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CERTIFICATE OF CORRECTIONPage 1 of 2

APPLICATION NO.: 10/633,835

PATENT NO. : 7,432,350

ISSUE DATE : October 7, 2008

INVENTOR(S) : Elich et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page, Item 54 and Column 1, Lines 1-4:

Please correct the title to read as:

-- RECOMBINANT BIOTIN CARBOXYLASE DOMAINS FOR
IDENTIFICATION OF ACETYL COA CARBOXYLASE INHIBITORS --

On column 2, lines 20-21, please insert missing page from specification:

Please correct "biotin binding domain, selecting a compound"

To read -- biotin binding domain, having a deleted carboxy transferase domain, and having a functional biotin carboxylase domain comprising amino acids as detailed in **SEQ ID NOS: 2, 4, 6, 8, 10, 12, 14, or 16**, and functional fragments thereof.

According to other embodiments of the present invention, the molecules described above are each a monomer.

According to still other embodiments of the present invention, the present invention relates to the molecules described above wherein the respective carboxylase domains bind to compounds that modulate Acetyl CoA carboxylase activity.

According to other embodiments of the present invention, the carboxylase domains bind to competitive inhibitors, noncompetitive inhibitors, and also binds to soraphen.

According to other embodiments of the present invention, the present invention relates to a nucleic acid that encodes a peptide comprising an Acetyl CoA carboxylase (ACCase) having a deleted biotin binding domain, having a deleted carboxy transferase domain, and having a functional biotin carboxylase domain, such as described above and further herein

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CERTIFICATE OF CORRECTION

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below.

According to other embodiments of the present invention, the present invention relates to a recombinant host cell that contains a nucleic acid as described above and expresses the encoded peptide.

According to other embodiments of the present invention, the present invention relates to a method of identifying Acetyl CoA carboxylase inhibitors, or activators, comprising a) combining a peptide as described above and a compound to be tested for the ability to bind to said biotin carboxylase domain, under conditions that permit binding to said biotin carboxylase domain, and b) determining whether or not said compound binds to said biotin carboxylase domain, the presence of binding indicating said compound is or may be an Acetyl CoA carboxylase inhibitor. Such compounds are candidates for and useful as pesticides, including but not limited to insecticides, nematocides, fungicides, and/or herbicides, and/or also pharmaceuticals, including but not limited to antifungals.

According to other embodiments of the present invention, the present invention relates to a method of identifying Acetyl CoA carboxylase inhibitors, further comprising the steps of c) employing a compound identified as binding in step (b) in an assay to detect inhibition of Acetyl CoA carboxylase activity; and d) selecting a compound --

On column 16, line 36:

Please correct "Assay-⁴C"
To read -- Assay-¹⁴C --

On column 17, line 51:

Please correct "S. ceravisiae"
To read -- S. cerevisiae --

On column 18, line 64:

Please correct "Y=Y_{max}*e^{-kI}+NS"
To read -- Y=Y_{max}*e^{-kt}+NS --

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